

# The Changing Role of Planning & Analysis in Software Development and Acquisition

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**Joint Information Technology and Software Cost Forum 2021**

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# Presenters

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- 🌀 **Color commentary and in-depth analysis:**  
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# Format of This Presentation

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We asked a set of subject matter experts a set of six questions relevant to today's industry

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You will be presented with these same questions in real-time polls

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SME responses to the questions will be presented as we review the polls and briefly discuss

# Is IT Cost Analysis Modernization Needed?

WE GATHERED INDUSTRY SUBJECT MATTER EXPERTS TO DISCUSS CURRENT AND FUTURE ISSUES SURROUNDING THE FIELD OF IT COST ESTIMATION.



“Is IT cost estimation  
overdue for  
modernization?”

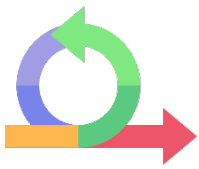


“Do the current tools  
and methodologies meet  
client needs?”



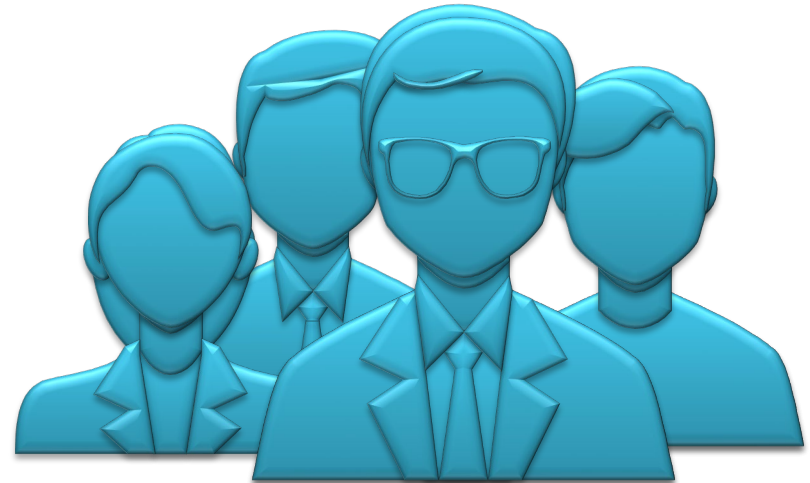
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# #1 Introduction Video



# Agile in the Federal Space

How widespread is Agile development in your organization? How is supporting an Agile program different than Waterfall?



→ Audience, give us your feedback through our poll!

Roll #2 Video, *Agile*

# Changing Customer Expectations



How have client expectations of software cost estimation deliverables changed?

→ Audience, give us your feedback through our poll!

Roll #3 Video, *Changing Customer Expectations*



# Changing Skillsets

What skill sets will be required of the software estimator as the industry evolves?

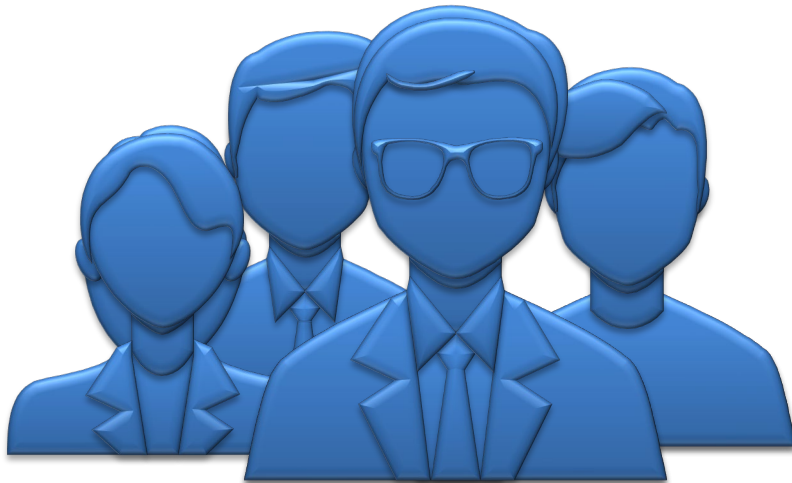
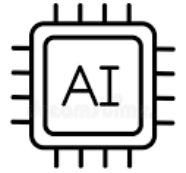


→ Audience, give us your feedback through our poll!

Roll #4 Video, *Changing Skillsets*



# Role of AI



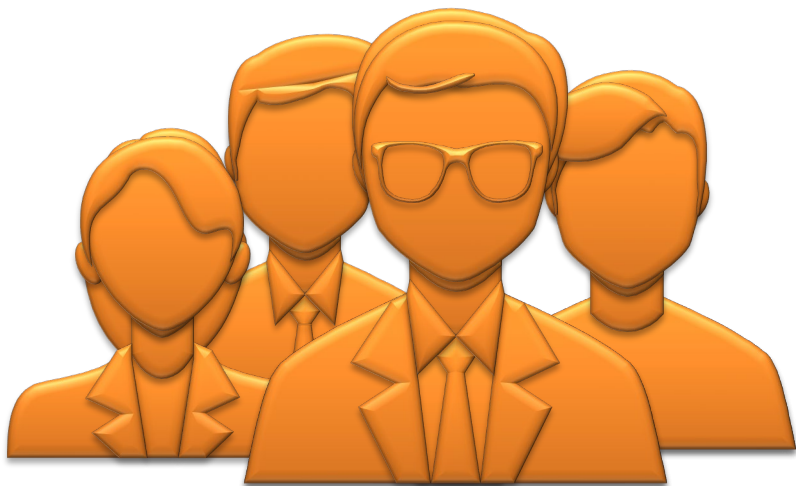
What role should Artificial Intelligence and data analytics play in software estimation?

→ Audience, give us your feedback through our poll!

Roll #5 Video, *Role of AI*



# Influence of JASI

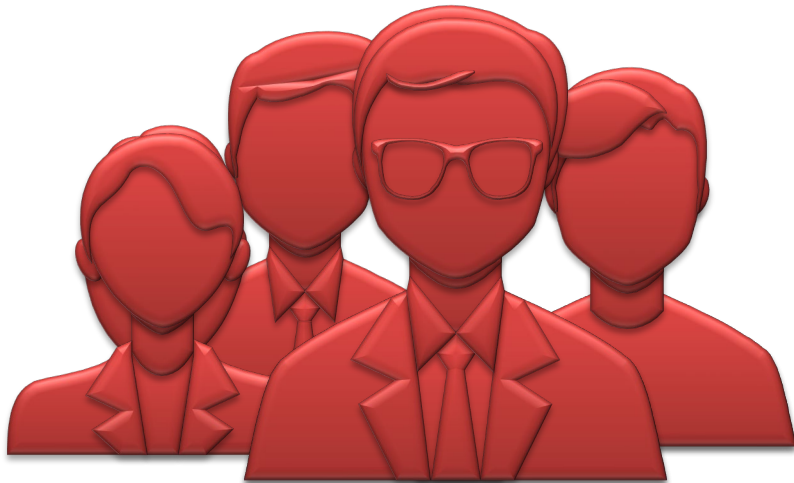


What influence has Joint Agile Software Innovation group has had on the federal estimation community?

→ Audience, give us your feedback through our poll!

Roll #6 Video, *Influence of JASI*

# Future of Software Cost Estimation



What's the future for  
the field?

Roll #7 Video, *FUTURE OF THE FIELD*

# Bonus Topic: SCEBoK



- ❁ ICEAA SCEBoK Review Group (ISRG) led by Carol Dekkers and supported by international cadre of software estimation SMEs
- ❁ SCEBoK 1.0 to be released by ICEAA (in partnership with DAU)
- ❁ Carol and ISRG members will present SCEBoK curriculum (9 lessons) at ICEAA 2021 Training Summit

Roll #8 Video, *SCEBoK*

# Question and Answer

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- You can direct questions to presenters or SMEs (provided they are here and want to talk)